

**2007 Ocean Surface Topography Science Team
Agenda**

Sunday, March 11

17:00 -19:00 Registration, upload presentations, and icebreaker
Wrest Point Conference Centre – Exhibition Foyer

Monday, March 12

9:00 Welcome – (D. Griffin and L.-L. Fu) Wrest Point Conference Centre – Plenary Hall
Official opening (His Excellency the Honourable William Cox AC RFD ED,
Governor of Tasmania)

9:10 N. Smith (BMRC)

9:20 A. McCrindell (RAN)

9:30 Meeting Overview (L-L. Fu and D. Griffin)

9:40 NASA Program (E. Lindstrom)

9:55 CNES Program (E. Thouvenot)

10:10 Break

10:30 CNES Jason-1 Status (S. Coutin-Faye/CNES)

10:50 NASA Jason-1 Status (G. Shirliffe/NASA)

11:10 Jason-1 GDR reprocessing and SALP status (N. Picot/CNES)

11:30 OSTM/Jason-2 mission status (J. Perbos/CNES, P. Vaze/NASA,
W. Bannoura/NOAA, F. Parisot/EumetSat)

12:00 Splinter session overview

12:30 Lunch

14:00 Science talks I (Chair: K. Kelly) – Plenary Hall

Global observations of westward energy propagation: Rossby waves or nonlinear eddies?
- D. Chelton

Eddy-Mean Flow Interaction: Insights from Satellite Altimetry Measurements – B. Qiu

15:00 Poster session and refreshments

Wrest Point Conference Centre – Exhibition Foyer and Tasman Room

17:30 OSTST adjourn.

International Altimetry Service meeting – Tasman room

Tuesday, March 13

8:30 Science talks II (Chair: S. Nerem)

Understanding sea-level rise - J. Church

Observing decadal variability in the oceans – D. Roemmich

9:30 Splinter sessions I

Local and global calibration/validation (P. Bonnefond, S. Nerem, B. Haines) – Plenary Hall

Outreach (V. Rosmorduc, M. Srinivasan) – Tasman A

10:30 Break

11:00 Splinter sessions I continue

12 :30 Lunch

14:00 Science talks III (Chair: S. Arnault)

Seasonal to Interannual Variability of Global Sea Level: Recent Progress in Monitoring and Prediction – T. Busalacchi

Large-scale subseasonal sea level variability over the global ocean – R. Ponte

15:00 Break

15:30 Status of other on-going and future altimetry missions

15:30 Altika/SARAL project status (J. Noubel)

15:50 WaTER/Hydrosphere Mapper (L-L Fu)

16:10 ESA Programs (J. Benveniste)

16:30 Jason-3 status (S. Wilson/ F. Parisot)

17:00 Adjourn

17:45 Buses depart for Reception at Government House

19:30 Harbor cruise/dinner

Wednesday, March 14

8:30 Science talks IV (Chair: Y. Chao)

Combining ocean velocity observations and altimeter data for OGCM verification – P. Niiler

Ocean Surface Topography Applications to Circulation Mapping in the Coastal Ocean – W. Emery

9:30 Splinter sessions II

Sea-state bias and re-tracking analysis (P. Callahan, O. Zanife) – Plenary Hall

Precision orbit determination and geoid (J-P. Berthias, J. Ries) – Tasman A

10:30 Break

11:00 Splinter sessions II continue

12:30 Lunch

14:00 Science talks V (Chair: F. Lyard)

Internal Tides, Tides in Shallow Seas, and Altimetry – G. Egbert

Monitoring terrestrial surfaces waters by satellite – A. Cazenave

15:00 Poster session and refreshments

16:30 Splinter sessions III

Local and global calibration/validation, part 2 (P. Bonnefond, S. Nerem, B. Haines) – Plenary Hall

Precision orbit determination and geoid, part 2 (J-P. Berthias, J. Ries) – Tasman A

Multi-satellite/operational applications (G. Jacobs, C. Birkett, P. Oke) – Tasman B

18:00 Adjourn

18:30 Conference dinner (Royal Tasmanian Yacht Club - 800m NW along waterfront)

Thursday, March 15

8:30 Science talks VI (Chair: D. Griffin)

Ocean state estimation for studies of climate variability – T. Lee

Operational applications of altimetry – E. Dombrowski

9:30 Splinter sessions IV

Tides and high-frequency aliases (R. Ray, R. Ponte, F. Lyard) – Plenary Hall

Multi-satellite/operational applications, part 2 (G. Jacobs, C. Birkett, P. Oke) – Tasman A

10:30 Break

11:00 Splinter sessions IV continue

12:30 Lunch

14:00 Summary of splinter sessions

15:00 Break

15:30 Summary of splinter sessions

16:30 Discussion and wrap-up

17:00 Adjourn

Tuesday a.m. splinter agendas

Local and global calibration/validation – Plenary Hall

P. Bonnefond, S. Desai, B. Haines, S. Nerem and N. Picot

0930	P. Bonnefond	Absolute Calibration of Jason-1 and TOPEX/Poseidon Altimeters in Corsica
0945	B. Haines	Monitoring Jason-1 and T/P from a California Offshore Platform: Latest Results from Harvest
1000	C. Watson	In-situ calibration at the Bass Strait site, Australia
1015	G. Jan	Altimeter sea surface height regional calibration with in-situ network
1030	BREAK	
1045	G. Mitchum	Improved comparisons of altimeter sea surface heights and tide gauge sea levels
1100	W. Bosch	Multi-mission cross calibration for contemporary altimeter systems – results with upgraded data
1115	M. Ablain	Global Statistical Quality Assessment of Jason-1 data
1130	M. Ablain	Jason-1 - TOPEX/Poseidon consistency
1145	Y. Faugere	Jason-1 / Envisat Cross-calibration
1200		Short introductions to posters
1230	LUNCH	

Outreach – Tasman A

V. Rosmorduc and M. Srinivasan

0930	V. Rosmorduc	Overview & Past/Future Activities
0945	V. Rosmorduc	Basic Radar Altimetry Toolbox & Tutorial
1005	R. Stewart	New Material for Teaching Oceanography
1020	M. Srinivasan	Ocean Altimetry Data: Operational Users and Applications
1030	BREAK	
1100	A. Richardson	Supporting Ocean Literacy: JPL Ocean Surface Topography (OST) Education and Public Outreach Activities for 2007-2008
1115	R. Sullivant	Ocean Altimetry: Anticipating News and Public Interest
1130	S. Zicus	Climate Change, Sea Level Rise and the Polar Regions: Using visuals to promote public understanding
1200	All	Showcase of SWT outreach "products"
1230	LUNCH	

Wednesday a.m. splinter agendas

Sea State Bias and Retracking Analysis – Plenary Hall

P. Callahan and O. Zanife

0930	D. Vandemark, H. Feng, N. Tran, B. Chapron, B. Beckley	Inclusion Of Wave Modeling In Sea State Bias Correction Refinement
0950	E. Rodriguez, P. Callahan, T. Lungu	Cross Calibration Of TOPEX And Jason Using MAP And LSE Retracking To Improve Global Sea Level
1010	P. Thibaut, S. Labroue, N. Granier	Evaluation Of Ground Retracking Algorithms On Jason Data
1030	BREAK	
1100	Y. Faugere, A. Olivier, P. Thibaut, G. Dibarboue, N. Picot, J. Lambin	Analysis Of The High Frequency Content Of Jason-1, Topex And Envisat Data
1120	S. Labroue, M. Ablain, J. Dorandeu, N. Tran, P. Gaspar, O.Z. Zanife	Comparison Of Topex And Jason-1 Sea State Bias Models
1140	Discussion: Do retracking approaches show reduction in SSB? What is the approach to aligning TOPEX and Jason data? What error model should be used with the corrected data?	
1200	LUNCH	

Precision Orbit Determination and geoid – Tasman A

J.P. Berthias and J.Ries

Time	Authors	Title
0930	J.-P. Berthias	Introduction: Status of Pending Actions and Key Issues
0945	L. Cerri	Jason-1 POD Reprocessing at CNES: Current Status and Further Developments
1000	L. Cerri, J.-P. Berthias	Toward an Operational Implementation of Atmospheric Gravity For Jason-1
1015	W. Bertiger	Precision Orbit Determination, Trade Studies and Improvements for Jason-1 with GPS
1030	BREAK	
1100	F. Lemoine	Improvement of the Complete TOPEX and Jason Orbit Time Series: Current Status
1115	P. Bonnefond	Validation Activities for Jason-1 and Topex/Poseidon Precise Orbit
1130	J. Ries	Orbit Error Budget for Jason-1 and Topex/Poseidon Precision Orbits
1145	Ch. Foerste	On the use of Temporal Gravity Field Models Derived from GRACE for Altimeter Satellite Orbit Determination
1200	P. Willis	Validation and Extension of ITRF2005 for DORIS POD
1215	J. Ries	Validation and Extension of ITRF2005 for SLR POD
1230	LUNCH	

Wednesday p.m. splinter agendas

Local and global calibration/validation: part 2 – Plenary Hall

1630	S. Brown	Calibration and Performance Assessment of the JMR and TMR
1645	S. Desai	Validation of the TMR and JMR Wet Path Delay Measurements using GPS, SSM/I, and TMI
1700	E. Obligis	The wet tropospheric correction for altimetry in coastal and inland water regions
1715	J. Tournadre	Modification of Jason rain flag for MLE4 Processing
1730		Discussions/Synthesis
1800	ADJOURN	

Precision orbit determination and geoid, part 2 – Tasman A

Time	Authors	Title
1630	Discussion	Key POD Issues: ITRF2005 implementation, time variable gravity, other model recommendations
1700	J. Ries	GRACE Mission Status and Current Results
1715	R. Biancale	EIGEN5 activities at GFZ and GRGS
1730	X. Deng	Assessment of Geoid Models off Western Australia Using Oceanographic In-Situ Measurements
1745	M.-H. Rio	Ocean Mean Dynamic Topography from Altimetry and GRACE: Toward a Realistic Estimation of the Error Field
1755	Discussion	Remaining Geoid Issues
1800	ADJOURN	

Multi-satellite/operational applications – Tasman B

G. Jacobs, C. Birkett, P. Oke

1630	J. Wilkin	Predictability of Mesoscale Variability in the EAC given Strong Constraint Data Assimilation
1645	D. Griffin	Explaining the extraordinary: operational oceanography in Australia
1700	P. Oke	The Bluelink Ocean Data Assimilation System: an ensemble approach to an eddy-resolving application
1715	G. Brassington	Bluelink> ocean model analysis and prediction system delivering operational forecasts
1730	A. Hobday	Near real-time spatial management for a longline bycatch species based on sea surface topography and temperature observations
1745	J. Alpine	Moveable Feasts: The Eddy and the Marine Protected Area?
1800	ADJOURN	

Thursday a.m. splinter agendas

Tides and High-Frequency Aliases – Plenary Hall

R. Ray, R. Ponte, F. Lyard

0930	R. Ray	Comments on sun-synch altimetry
0950	J. Dorandeu	Comments on sun-synch altimetry
1010	L. Fu/R. Ray	General discussion on sun-synch altimetry
1030	BREAK	
1100	F. Lefevre	Improvements to FES2004
1115	R. Ray	New tide validation dataset
1120	L. Carrere	Improvements to MOG2D
1135	R. Ponte	Baroclinic data-constrained models and HF correction
1145	R. Ponte	Update on surface pressure errors
1150		General discussion and recommendations
1210	C. Maraldi	Tides in South Indian Ocean
1220	C.K. Shum	Coastal tide modeling
1230	LUNCH	

Multi-satellite/operational applications, Part 2 – Tasman A

0930	Y. Chao	Development, Implementation and Evaluation of a Real-Time Ocean Forecasting System off the California Coast
0945	G. Lagerloef	Combining altimeter-derived currents with Aquarius salinity to study the marine freshwater budget
1000	P. Queffelec	Merging wave height measurements from altimeters. Application to the investigation of large scale and regional features of sea state.
1015	J. Lefevre	Wave Model Error Analysis from Altimetry
1030	BREAK	
1100	J. Dorandeu	Future altimeter systems: is the mesoscale observability good enough for operational oceanography?
1115	G. Larnicol	Quality of real time altimeter maps: impact of data delay
1130	J. Bouffard	Improved satellite altimetric data dedicated to coastal areas: Validation over the northwestern Mediterranean
1145	J. Tournadre	Effect of rain and cloud on Ka band (ALTIKA) altimeter data
1200	N. Steunou	Impacts of atmospheric attenuations on AltiKa expected performances
1215	J. Verron	AltiKa: a Ka-band altimetry system in tandem with JASON-2
1230	LUNCH	